National Aeronautics and Space Administration

Advanced Air Mobility

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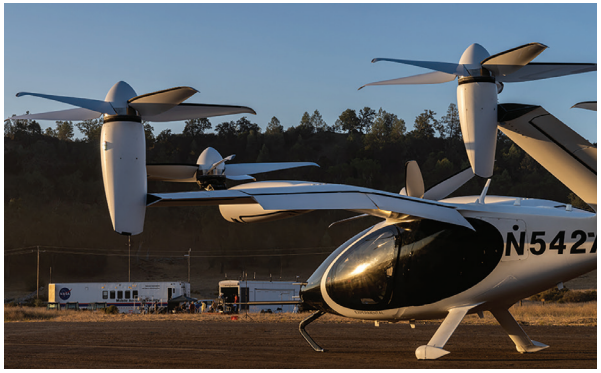
NASA's work in Advanced Air Mobility will transform the way people and goods will move through the skies. This includes public good use cases such a disaster, medical, and wildfire response.
Credit: NASA



NASA is hosting the National Campaign series, a multi-year campaign, where industry partners like Joby, Wisk and several others, will fly their innovative new vehicles at locations across the country. These flight tests will also integrate industry partners working on AAM airspace and infrastructure design alongside NASA researchers.
Credit: Joby Aviation

A use case within Advanced Air Mobility is regional air mobility. This use case will connect both urban dwellers and rural residents by adding a safe, affordable, and accessible new option to travel between cities and rural areas.
Credit: NASA

Revolutionizing Air Transportation

NASA is helping to make soaring over traffic in an air taxi, providing public good missions in the form of medical and emergency response, receiving packages faster, and participating in a sustainable and safe mode of transportation a reality.

NASA's vision for **Advanced Air Mobility, or AAM**, is to map out a safe, accessible, and affordable new air transportation system alongside industry, community partners, and the Federal Aviation Administration.

Once developed, passengers and cargo will travel on-demand in innovative, automated aircraft like electric vertical take-off and landing aircraft, or eVTOLs, across town, between neighboring cities, or to other locations typically accessed today by car.

Building the AAM Ecosystem

NASA is a leader for emerging aviation markets in navigating the creation of this new AAM transportation system. This includes researching areas that need to be further developed to help make AAM a reality like vehicle and airspace development and operations as well as community integration.

Various simulation and flight testing efforts look into the areas of noise, automation, safety, vertiports, airspace integration, infrastructure, and ride quality among other focus areas.

Collaborative Effort with Regulators

NASA is providing inputs to industry and the FAA to support potential standards and policies. NASA's goal is to provide industry and the FAA with recommendations for requirements to build a scalable AAM system to help enable the industry to flourish by 2030.

Future AAM Benefits

The addition of Advanced Air Mobility will benefit the public in several ways. A few examples include: easier access for travelers between rural, suburban, and urban communities; rapid package delivery; reduced commute times; disaster response, and new solutions for medical transport of passengers and supplies.